Serial No.: 10/500,093

Filed: November 17, 2004

Page : 2 of 22

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1-64. Canceled

65. (Previously presented) A compound of formula I,

$$R^1$$
 $Q \rightarrow A$ D

wherein

 R^1 represents Het i , $R^{1a}C(O)$ - or D-A-N(H)-[Q]_n-C(O)-E-C(O)-; R^{1a} represents

Η,

aryl (which latter group is optionally substituted by one or more substituents selected from OH, halo, cyano, nitro, $N(R^{3a})R^{3b}$, $C_{1.4}$ alkyl and $C_{1.4}$ alkoxy), aromatic or part-aromatic C_{13-14} tricyclic carbocyclyl (which latter group is optionally substituted by one or more substituents selected from OH, halo, cyano, nitro, $N(R^{3a})R^{3b}$, $C_{1.4}$ alkyl and $C_{1.4}$ alkoxy, and which latter group, if part-aromatic, is optionally substituted in the non-aromatic part by one or two oxo groups) or

 C_{1-12} alkyl (which latter group is optionally substituted and/or terminated by one or more substituents selected from halo and aryl (which latter group is optionally substituted by one or more substituents selected from OH, halo, cyano, nitro, $N(R^{3a})R^{3b}$, C_{1-4} alkyl and C_{1-4} alkoxy)); A represents, at each occurrence when used herein, C_{2-6} alkylene or A^1 -C(O)N(H)- A^2 , wherein A^2 is attached to the group D;

A¹ represents C₁₋₄ alkylene;

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 3 of 22

A² represents C₂₋₅ alkylene;

D represents, at each occurrence when used herein, $-N(R^{2a})R^{2b}$, $-C(=NR^{2c})N(R^{2d})R^{2e}$ or $-N(R^{2f})C(=NR^{2g})N(H)R^{2h}$;

 R^{2a} and R^{2b} independently represent H, C_{1-6} alkyl, Het^2 or R^{2a} and R^{2b} together represent $(CH_2)_3$. 6, which alkylene group is optionally interrupted by NR^4 and/or is optionally substituted by one or more C_{1-4} alkyl groups;

R⁴ represents H, C₁₋₆ alkyl or Het³;

 R^{2c} to R^{2h} independently represent H or C_{1-6} alkyl;

E represents $-E^1$ -Het⁴-, E^{2a} , $-(CH_2)_{0-3}N(H)C(O)-E^{2b}-C(O)N(H)(CH_2)_{0-3}$ - or a structural fragment of the formula

wherein E^3 represents $(CH_2)_{1-2}$, CH=CH, CH=N, $CH_2-N(R^a)$, $(CH_2)_{0-1}C(O)$, $(CH_2)_{0-1}O$ or $(CH_2)_{0-1}S$;

R^a represents H or C₁₋₆ alkyl;

 E^{1} represents $(CH_{2})_{0-2}$ or CH=CH;

 E^{2a} and E^{2b} independently represent C_{2-4} alkenylene, C_{3-6} cycloalkylene, phenylene or naphthylene;

Het¹ to Het⁴ independently represent four- to twelve-membered heterocyclic groups containing one or more heteroatoms selected from N, O and S, which heterocyclic groups are optionally substituted by one or more substituents selected from =O, OH, halo, cyano, nitro, $N(R^{3a})R^{3b}$, C_{14} alkyl and C_{14} alkoxy;

 R^{3a} and R^{3b} independently represent, at each occurrence when used herein, H or C_{1-4} alkyl, or R^{3a} represents -C(O) R^5 ;

R⁵ represents H or C₁₋₄ alkyl;

n represents, at each occurrence when used herein, 2, 3, 4 or 5;

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 4 of 22

each individual Q independently represents a structural fragment of formula Ia, Ib, Ic, Id, Ie or If

wherein

R⁶ represents H or C₁₋₆ alkyl;

R⁷ represents C₁₋₁₂ alkyl;

 $R^8,\,R^9,\,R^{10}$ and R^{11} independently represent H or $C_{1\text{-}12}$ alkyl;

G represents CH or N;

L represents O or S;

p, q and r independently represent 0, 1, 2 or 3; and

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 5 of 22

provided that the compound comprises at least one structural fragment of formula Ib, Ic, Id, Ie or If in which R^6 or R^7 , R^8 , R^9 , R^{10} or R^{11} , respectively, represents branched, cyclic or part cyclic C_{3-5} alkyl; or a pharmaceutically acceptable derivative thereof.

66. (Previously presented) A compound as claimed in Claim 65, wherein:

 R^{1a} represents H or C_{1-12} alkyl, which latter group is optionally substituted and/or terminated by one or more substituents selected from halo and aryl, which latter group is optionally substituted by one or more substituents selected from OH, halo, cyano, nitro, $N(R^{3a})R^{3b}$, C_{1-4} alkyl and C_{1-4} alkoxy; and

the compound comprises at least one structural fragment of formula Ib, Ic, Id, Ie or If in which R⁷, R⁸, R⁹, R¹⁰ or R¹¹, respectively, represents branched, cyclic or part cyclic C₃₋₅ alkyl.

- 67. (Previously presented) A compound as claimed in Claim 65, wherein aryl is phenyl or naphthyl.
- 68. (Previously presented) A compound as claimed in Claim 65, wherein alkyl and alkoxy groups are, where appropriate:
 - (a) straight-chain;
 - (b) branched-chain and/or cyclic; or
 - (c) part cyclic/acyclic.
- 69. (Previously presented) A compound as claimed in Claim 65, wherein alkyl and alkoxy groups are, where appropriate:
 - (a) saturated or unsaturated;
 - (b) interrupted by one or more oxygen and/or sulfur atoms; and/or
 - (c) unless otherwise specified, substituted by one or more halo atoms.

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 6 of 22

70. (Previously presented) A compound as claimed in Claim 65, which is a compound of formula II,

$$R^{1}$$
— Q^{1} — Q^{2} — Q^{3} — N
 A
 N
 R^{2a}
 II

wherein

 R^{\dagger} represents Het¹, R^{\dagger} aC(O)- or D-A-N(H)-Q³-Q²-Q¹-C(O)-E-C(O)-;

Q1 is absent or represents a structural fragment of formula Ia, Ib, Ic, Id, Ie or If;

Q² represents a structural fragment of formula lb, le or If;

Q³ represents a structural fragment of formula Ib, Id, Ie or If; and

Het¹, R^{1a}, D, A, E, R^{2a}, R^{2b}, A and the structural fragments of formulae Ia, Ib, Ic, Id, Ie and If are as defined in any one of Claims 16 to 20; provided that:

- (a) at least one of Q^1 , Q^2 and Q^3 represents a structural fragment of formula Id, Ie or If; and
- (b) at least one of R⁶ or R⁷, R⁸, R⁹, R¹⁰ and R¹¹ (whichever is/arc present) represents branched, cyclic or part cyclic C₃₋₅ alkyl, or a pharmaceutically acceptable derivative thereof.
- 71. (Previously presented) A compound as claimed in Claim 65, wherein the compound comprises:
- (a) at least one structural fragment of formula Ib in which G represents N and R⁶ represents branched, cyclic or part cyclic C₃₋₅ alkyl;
- (b) at least one structural fragment of formula Id in which p represents 0 and R⁹ represents branched, cyclic or part cyclic C₃₋₅ alkyl; and/or
- (c) at least one structural fragment of formula Ie in which q represents 0 and R¹⁰ represents branched, cyclic or part cyclic C_{3.5} alkyl.
- 72. (Previously presented) A compound as claimed in Claim 65, wherein each of the at least one branched, cyclic or part cyclic C_{3.5} alkyl groups independently represents isopropyl, cyclopropylmethyl, isopentyl or cyclopentyl.

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 7 of 22

73. (Previously presented) A compound as claimed in Claim 65, wherein the compound comprises at least one structural fragment of formula lb, lc, ld, le or If in which R⁷, R⁸, R⁹, R¹⁰ or R¹¹, respectively, represents isopropyl.

74. (Previously presented) A compound as claimed in Claim 65, which compound comprises at least one structural fragment of the formula

75-94. (Canceled)

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 8 of 22

95. (New) A compound of formula IIa,

$$R^1$$
— $Q1$ — Q^3 — N
 R^{2a}
 R^{2a}
 R^{2a}
 R^{2a}
 R^{2a}

wherein

R¹ represents

A nine-membered aromatic heterocycle containing two heteroatoms selected from N, O and S,

D-A-N(H)-
$$Q^3$$
- Q^2 - Q^1 -C(O)-E-C(O)-;

R^{1a} represents

Н

Phenyl (which latter group is optionally substituted by C₁₋₂ alkyoxy),

9,10-dioxo-9,10-dihydroanthracenyl (which latter group is optionally substituted by C_{1-2} alkoxy),

saturated, optionally branched C₁₋₆ alkyl or

saturated C_{1-3} *n*-alkyl, which latter group is terminated by phenyl (which latter group is optionally substituted by C_{1-2} alkoxy);

A represents saturated C₂₋₄ alkylene or (CH₂)₁₋₃-C(O)N(H)-(CH₂)₂₋₄;

D represents $-N(R^{2a})R^{2b}$;

 $R^{2a} \mbox{ and } R^{2b} \mbox{ independently represent}$

 $C_{1\text{--}3}$ alkyl or a nine- or ten-membered aromatic heterocycle containing one to three heteroatoms selected from N, O and S, or

 R^{2a} and R^{2b} together represent $(CH_2)_{3-5}$, which alkylene group is optionally interrupted by NR^4 ; R^4 represents

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 9 of 22

C₁₋₃ alkyl or a non- or tem-membered aromatic heterocyle containing one to three heteroatoms selected from N, O and S;

E represents

-(2,5-indolyl-,

-(CH₂)₀₋₂-(2,6-indolyl)-,

-CH=CH-(2,6-indolyl)-,

trans-ethenylene,

trans-cyclopropylene,

1,3- or 1-4-phenylene,

-CH₂N(H)C(O)-(1,3- or 1,4-phenylene)-C(O)N(H)CH₂-,

or one of the following structural fragments

- Q1 is absent or represents a structural fragment of formula Ia, Ib, Ic, Id, Ie or If;
- Q² represents a structural fragment of formula Ib, le or If;
- Q³ represents a structural fragment of formula lb, ld, le or lf;

wherein the structural fragments of formulae Ia, Ib, Ic, Id, Ie and If are as follows

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 10 of 22

wherein

 R^6 represents H or, when G represents N, R^6 may also represent branched, cyclic or part cyclic C_{3-5} alkyl;

 R^7 , R^8 , R^9 , R^{10} and R^{11} independently represent saturated, optionally branched C_{1-6} alkyl or R^8 represents H;

provided that the compound comprises at least on structural fragment of formula Ie in which R^{10} represents branched, cyclic or part cyclic C_{3-5} alkyl.

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 11 of 22

96. (New) A compound as claimed in Claim 95 wherein the compound comprises at least one structural fragment of formula le in which R¹⁰ represents cyclopropylmethyl, isopentyl, cyclopentyl or isopropyl.

97. (New) A compound as claimed in Claim 95 wherein the compound comprises at least one structural fragment of formula Ie in which R¹⁰ represents isopropyl.

98. (New) A compound of formula IIb,

$$R^1$$
— $Q1$ — Q^3 — N
 CH_3
 CH_3

wherein

R¹ represents

a nine-membered aromatic heterocycle containing two heteroatoms selected from N, O and S,

HC(O)-,

(methoxyphenyl)C(O)-,

(9,10-dioxo-9,10-dihydroanthracenyl)C(O)-,

(saturated C₁₋₃ alkyl) C(O)-,

(methoxyphenylacetyl)C(O)-, or

 $(CH_3)_2N-A-N(H)-Q^3-Q^2-Q^1-C(O)-E-C(O)-;$

A represents saturated C₂₋₄ n-alkylene or (CH₂)₂-C(O)N(H)-(CH₂)₃;

E represents $-CH_2N(H)C(O)-(1,3-phenylene)-C(O)N(H)CH_2-$;

Q1 is absent or represents a structural fragment of formula la, lb, Ic, Id, Ie or If;

Q² represents a structural fragment of formula Ib, Ie or If;

Q³ represents a structural fragment of formula Ib, Id, le or If;

wherein the structural fragments of formulae Ia, Ib, Ic, Id, Ie and If are as follows

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 12 of 22

wherein

 R^6 represents H or, when G represents N, R^6 may also represent branched, cyclic or part cyclic C_{3-5} alkyl;

 R^7 , R^9 , R^{10} and R^{11} independently represent saturated, optionally branched C_{1-3} alkyl; provided that the compound comprises at least one structural fragment of formula Ie in which R^{10} represents branched, cyclic or part cyclic C_{3-5} alkyl.

99. (New) A compound as claimed in Claim 98, wherein the compound comprises at least one structural fragment of formula le in which R¹⁰ represents cyclopropylmethyl, isopentyl, cyclopentyl or isopropyl.

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 13 of 22

100. (New) A compound as claimed in Claim 98, wherein the compound comprises at least one structural fragment of formula le in which R¹⁰ represents isopropyl.

- 101. (New) A compound as claimed in Claim 65, which compound is selected from the following:
- (i) N-[5-({[5-({[3-(Dimethylamino)propyl]amino}carbonyl)-1-methyl-1*H*-pyrrol-3-yl]amino}carbonyl)-1-isopropyl-1-*H*-pyrrol-3-yl]-4-[(3,3-dimethylbutanoyl)amino]-1-methyl-1*H*-pyrrole-2-carboxamide;
- (ii) *N*-[5-({[5-({[3-(Dimethylamino)propyl]amino}carbonyl)-1-methyl-1*H*-pyrrol-3-yl]amino}carbonyl)-1-isopropyl-1*H*-pyrrol-3-yl]-4-(formylamino)-1-methyl-1*H*-pyrrole-2-carboxamide;
- (iii) N-[3-(Dimethylamino)propyl]-2-({[4-({[4-(formylamino)-1-methyl-1H-pyrrol-2-yl]carbonyl}amino)-1-methyl-1H-pyrrol-2-yl]carbonyl}-amino)-5-isopropyl-1,3-thiazole-4-carboxamide;
- (iv) N-[5-({[3-(Dimethylamino)propyl]amino}carbonyl)-1-isopropyl-1H-pyrrol-3-yl]-4-({[4-(formylamino)-1-isopropyl-1H-pyrrol-2-yl]carbonyl}-amino)-1-isopropyl-1H-pyrrole-2-carboxamide
- (v) *N*-[5-({[5-({[3-(Dimethylamino)propyl]amino}carbonyl)-1-isopentyl-1*H*-pyrrol-3-yl]amino}carbonyl)-1-isopentyl-1*H*-pyrrol-3-yl]-4-(formyl-amino)-1-isopentyl-1*H*-pyrrole-2-carboxamide;
- (vi) N-[5-({[5-({[3-(Dimethylamino)propyl]amino}carbonyl)-1-isopropyl-1*H*-pyrrol-3-yl]amino}carbonyl)-1-methyl-1*H*-pyrrol-3-yl]-4-(formyl-amino)-1-isopropyl-1*H*-pyrrole-2-carboxamide;
- (vii) N-[5-({[3-(Dimethylamino)propyl]amino}carbonyl)-1-methyl-1H-pyrrol-3-yl]-2-({[4-(formylamino)-1-methyl-1H-pyrrol-2-yl]carbonyl}-amino)-5-isopropyl-1,3-thiazole-4-carboxamide;

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 14 of 22

(viii) 4-({[4-(Formylamino)-1-methyl-1*H*-pyrrol-2-yl]carbonyl}amino)-1-iso-propyl-*N*-[1-methyl-5-({[3-(4-morpholinyl)propyl]amino}carbonyl)-1*H*-pyrrol-3-yl]-1*H*-pyrrole-2-carboxamide;

- (ix) 4-(Formylamino)-*N*-[1-isopropyl-5-({[1-methyl-5-({[3-(1-pyrrolidinyl)-propyl]amino}carbonyl)-1*H*-pyrrol-3-yl]amino}carbonyl)-1*H*-pyrrol-3-yl]-1-methyl-1*H*-pyrrole-2-carboxamide;
- (x) *N*-[5-({[5-({[3-(Dimethylamino)propyl]amino}carbonyl)-1-methyl-1*H*-pyrrol-3-yl]amino}carbonyl)-1-isopentyl-1*H*-pyrrol-3-yl]-4-(formylamino)-1-methyl-1*H*-pyrrole-2-carboxamide;
- (xi) 2-(Acetylamino)-*N*-[5-({[5-({[3-(dimethylamino)propyl]amino}-carbonyl)-1-methyl-1*H*-pyrrol-3-yl]amino}carbonyl)-1-methyl-1*H*-pyrrol-3-yl]-5-isopropyl-1,3-thiazole-4-carboxamide;
- (xii) 2-(Acetylamino)-*N*-[5-({[4-({[3-(dimethylamino)propyl]amino}-carbonyl)-5-isopropyl-1,3-thiazol-2-yl]amino}carbonyl)-1-methyl-1*H*-pyrrol-3-yl]-5-isopropyl-1,3-thiazole-4-carboxamide;
- (xiii) 2-(Acetylamino)-*N*-(5-{[(3-{[3-(dimethylamino)propyl]amino}-3-oxo-propyl)amino]carbonyl}-1-methyl-1*H*-pyrrol-3-yl)-5-isopropyl-1,3-thiazole-4-carboxamide;
- (xiv) N^1 , N^3 -Bis(2-{[5-({[4-({[3-(dimethylamino)propyl]amino}carbonyl)-5-isopropyl-1,3-thiazol-2-yl]amino}carbonyl)-1-methyl-1H-pyrrol-3-yl]-amino}-2-oxoethyl)isophthalamide;
- (xv) *N*-[5-({[5-({[3-(Dimethylamino)propyl]amino}carbonyl)-1-methyl-1*H*-pyrrol-3-yl]amino}carbonyl)-1-isopropyl-1*H*-pyrrol-3-yl]-4-(acetylamino)-1-methyl-1*H*-pyrrole-2-carboxamide;
- (xvi) *N*-[5-({[5-({[3-(Dimethylamino)propyl]amino}carbonyl)-1-methyl-1*H*-pyrrol-3-yl]amino}carbonyl)-1-isopentyl-1*H*-pyrrol-3-yl]-4-(acetyl-amino)-1-methyl-1*H*-pyrrole-2-carboxamide;
- (xvii) N^2 , N^5 -Bis[5-({[4-({[3-(dimethylamino)propyl]amino}carbonyl)-5-isopropyl-1,3-thiazol-2-yl]amino}carbonyl)-1-methyl-1H-pyrrol-3-yl]-1H-indole-2,5-dicarboxamide;

Serial No. : 10/500,093

Filed: November 17, 2004

Page : 15 of 22

(xviii) N^2 , N^5 -Bis[1-isopentyl-5-({[1-methyl-5-({[3-(4-morpholinyl)propyl]-amino}carbonyl)-1H-pyrrol-3-yl]amino}carbonyl)-1H-pyrrol-3-yl]-1H-indole-2,5-dicarboxamide;

(xix) N^2 , N^5 -Bis[5-({[5-({[3-(dimethylamino)propyl]amino}carbonyl)-1-methyl-1H-pyrrol-3-yl]amino}carbonyl)-1-isopentyl-1H-pyrrol-3-yl]-1H-indole-2,5-dicarboxamide; (xx) N^2 , N^5 -Bis[1-isopentyl-5-({[1-methyl-5-({[3-(4-methyl-1-piperazinyl)-1-methyl-1-piperazinyl)-1-methyl-5-({[3-(4-methyl-1-piperazinyl)-1-methyl-1-methyl-5-({[3-(4-methyl-1-piperazinyl)-1-methyl-5-({[3-(4-methyl-1-piperazinyl)-1-methyl-5-({[3-(4-methyl-1-piperazinyl)-1-methyl-5-({[3-(4-methyl-1-piperazinyl)-1-methyl-5-({[3-(4-methyl-1-piperazinyl)-1-methyl-5-({[3-(4-methyl-1-piperazinyl)-1-methyl-5-({[3-(4-methyl-1-piperazinyl)-1-methyl-1-methyl-5-({[3-(4-methyl-1-methyl-1-methyl-5-({[3-(4-methyl-1-methyl-1-methyl-5-({[3-(4-methyl-1-methyl-1-methyl-5-({[3-(4-methyl-1-methyl-1-methyl-5-({[3-(4-methyl-1-methyl-1-methyl-5-({[3-(4-methyl-1-methyl-1-methyl-5-({[3-(4-methyl-1-methyl-1-methyl-5-({[3-(4-methyl-1-methyl-1-methyl-5-({[3-(4-methyl-1-methyl-1-methyl-5-({[3-(4-methyl-1-methyl-1-methyl-5-({[3-(4-methyl-1-methyl-1-methyl-5-({[3-(4-methyl-1-methyl-1-methyl-5-({[3

propyl]amino}carbonyl)-1*H*-pyrrol-3-yl]amino}carbonyl)-1*H*-pyrrol-3-yl]-1*H*-indole-2,5-dicarboxamide;

(xxi) $2-(\{[4-(Acetylamino)-1-methyl-1H-imidazol-2-yl]carbonyl\}-amino)-1-methyl-1H-pyrrol-2-yl]carbonyl\}amino)-N-[3-(dimethylamino)-propyl]-5-isopropyl-1,3-thiazole-4-carboxamide;$

(xxii) 4-(Acetylamino)-N-[1-isopentyl-5-({[1-methyl-5-({[3-(4-methyl-1-piperazinyl) propyl]amino}carbonyl)-1*H*-pyrrol-3-yl]amino}carbonyl)-1*H*-pyrrol-3-yl]-1-methyl-1*H*-pyrrole-2-carboxamide;

(xxiii) *N*-[1-Isopentyl-5-({[1-methyl-5-({[3-(4-methyl-1-piperazinyl)-propyl]amino}carbonyl)-1*H*-pyrrol-3-yl]amino}carbonyl)-1*H*-pyrrol-3-yl]-4-[(3-methoxybenzoyl)amino]-1-methyl-1*H*-pyrrole-2-carboxamide;

 $(xxiv) N-[5-(\{[3-(Dimethylamino)propyl]amino\}carbonyl)-1-methyl-1H-pyrrol-3-yl]-4-(\{[5-(formylamino)-2-methyl-3-thienyl]carbonyl\}amino)-1-isopentyl-1H-pyrrole-2-carboxamide;$

(xxv) N-[5-({[5-({[3-(dimethylamino)propyl]amino}carbonyl)-1-methyl-1H-pyrrol-3-yl]amino}carbonyl)-1-methyl-1H-pyrrol-3-yl]-5-isopropyl-2-[(3-methoxybenzoyl)amino]-1,3-thiazole-4-carboxamide;

(xxvi) N-[5-({[3-(Dimethylamino)propyl]amino}carbonyl)-1-methyl-1H-pyrrol-3-yl]-4-{[(5-{[(9,10-dioxo-9,10-dihydro-2-anthracenyl)carbonyl]-amino}-2-methyl-3-thienyl)carbonyl]amino}-1-isopentyl-1H-pyrrole-2-carboxamide;

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 16 of 22

(xxvii) N-[1-(Cyclopropylmethyl)-5-({[5-({[3-(dimethylamino)propyl]-amino}carbonyl)-1-methyl-1*H*-pyrrol-3-yl]amino}carbonyl)-1*H*-pyrrol-3-yl]-4-(formylamino)-1-methyl-1*H*-pyrrole-2-carboxamide;

(xxviii) 1-Cyclopentyl-*N*-[5-({[3-(dimethylamino)propyl]amino}carbonyl)-1-methyl-1*H*-pyrrol-3-yl]-4-({[4-(formylamino)-1-methyl-1*H*-pyrrol-2-yl]-carbonyl}-amino)-1*H*-pyrrole-2-carboxamide;

 $(xxix) N^2, N^7$ -Bis[5-({[4-({[3-(dimethylamino)propyl]amino}carbonyl)-5-isopropyl-1,3-thiazol-2-yl]amino}carbonyl)-1-methyl-1*H*-pyrrol-3-yl]-9,10-dihydro-2,7-phenanthrenedicarboxamide;

(xxx) 4-(Formylamino)-*N*-[1-isopentyl-5-({[1-methyl-5-({[3-(4-methyl-1-piperazinyl)propyl]amino}carbonyl)-1*H*-pyrrol-3-yl]amino}carbonyl)-1*H*-pyrrole-3-yl]-1-methyl-1*H*-pyrrole-2-carboxamide;

 $(xxxi) \ 4-(Acetylamino)-N-[1-isopentyl-5-(\{[1-methyl-5-(\{[3-(4-morpholinyl)propyl]amino\}carbonyl)-1$H-pyrrol-3-yl]amino} carbonyl)-1$H-pyrrol-3-yl]-1-methyl-1$H-pyrrole-2-carboxamide;$

(xxxii) 4-(Formylamino)-*N*-[1-isopentyl-5-({[1-methyl-5-({[3-(4-morpholinyl)propyl]amino}carbonyl)-1*H*-pyrrol-3-yl]amino}carbonyl)-1*H*-pyrrol-3-yl]-1-methyl-1*H*-pyrrole-2-carboxamide;

(xxxiii) *N*-[5-({[5-({[3-(Dimethylamino)propyl]amino}carbonyl)-1-methyl-1*H*-pyrrol-3-yl]amino}carbonyl)-1-isopentyl-1*H*-pyrrol-3-yl]-4-[(3-methoxybenzoyl)amino]-1-methyl-1*H*-pyrrole-2-carboxamide; and

(xxxiv) N-[5-({[5-({[3-(Dimethylamino)propyl]amino}carbonyl)-1-methyl-1H-pyrrol-3-yl]amino}carbonyl)-1-isopentyl-1H-pyrrol-3-yl]-4-{[(4-methoxyphenyl)acetyl] amino}-1-methyl-1H-pyrrole-2-carboxamide.

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 17 of 22

102. (New) A compound as claimed in Claim 101 which is:

- (a) *N*-[5-({[5-({[3-(Dimethylamino)propyl]amino}carbonyl)-1-methyl-1*H*-pyrrol-3-yl]amino}carbonyl)-1-isopropyl-1*H*-pyrrol-3-yl]-4-(formylamino)-1-methyl-1*H*-pyrrole-2-carboxamide;
- (b) *N*-[3-(Dimethylamino)propyl]-2-({[4-({[4-(formylamino)-1-methyl-1*H*-pyrrol-2-yl]carbonyl}-amino)-1-methyl-1*H*-pyrrol-2-yl]carbonyl}-amino)-5-isopropyl-1,3-thiazole-4-carboxamide;
- (c) N-[5-({[3-(Dimethylamino)propyl]amino}carbonyl)-1-methyl-1H-pyrrol-3-yl]-2-({[4-(formylamino)-1-methyl-1H-pyrrol-2-yl]carbonyl}-amino)-5-isopropyl-1,3-thiazole-4-carboxamide;
- (d) N-[5-({[5-({[3-(Dimethylamino)propyl]amino}carbonyl)-1-methyl-1H-pyrrol-3-yl]amino}carbonyl)-1-isopentyl-1H-pyrrol-3-yl]-4-(formylamino)-1-methyl-1H-pyrrole-2-carboxamide;
- (e) N^2 , N^5 -Bis[1-isopentyl-5-({[1-methyl-5-({[3-(4-morpholinyl)propyl]-amino}carbonyl)-1H-pyrrol-3-yl]amino}carbonyl)-1H-pyrrol-3-yl]-1H-indole-2,5-dicarboxamide;
- (f) N-[1-(Cyclopropylmethyl)-5-({[5-({[3-(dimethylamino)propyl]-amino}carbonyl)-1-methyl-1H-pyrrol-3-yl]amino}carbonyl)-1H-pyrrol-3-yl]-4-(formylamino)-1-methyl-1H-pyrrole-2-carboxamide; or
- (g) N^2 , N^7 -Bis[5-({[4-({[3-(dimethylamino)propyl]amino}carbonyl)-5-isopropyl-1,3-thiazol-2-yl]amino}carbonyl)-1-methyl-1H-pyrrol-3-yl]-9,10-dihydro-2,7-phenanthrenedicarboxamide.
- 103. (New) A compound as claimed in Claim 95 which is *N*-[3-(dimethylamino)-propyl]-2-({[4-({[4-(formylamino)-1-methyl-1*H*-pyrrol-2-yl]carbonyl}-amino)-1-methyl-1*H*-pyrrol-2-yl]carbonyl}amino)-5-isopropyl-1,3-thiazole-4-carboxamide.

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 18 of 22

104. (New) A compound as claimed in Claim 65, which binds to and/or has specificity for DNA sequences that contain at least one GC base pairing.

105. (New) A compound as claimed in Claim 104, which is:

- (i) a compound of formula I, as defined in any one of Claims 95-97 provided that the compound comprises at least one structural fragment of formula Id, Ie or If; or
 - (ii) a compound of formula II, as defined in any one of Claims 98-101.
- 106. (New) A compound as claimed in Claim 65 which has different binding affinities at different minor groove binding sites in double-stranded DNA molecules having more than one minor groove binding site.
- 107. (New) A compound as claimed in Claim 106, wherein the different minor groove binding sites comprise solely AT base pairs.
- 108. (New) A pharmaceutical formulation including a compound as defined in Claim 65 in admixture with a pharmaceutically-acceptable adjuvant, diluent or carrier.
- 109. (New) A method of treatment of a disease that relies upon DNA replication for its propagation, which method comprises administration of a therapeutically effective amount of a compound as defined in Claim 65 to a person suffering from that disease.
- 110. (New) A method of treatment of cancer, which method comprises administrations of a therapeutically effective amount of a compound as defined in Claim 65 to a person suffering from cancer.

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 19 of 22

111. (New) A method of treatment of a viral, bacterial, fungal or other microbial infection, which method comprises administration of a therapeutically effective amount of a compound ad defined in Claim 65 to a person suffering from such an infection.

112. (New) A method of treating a viral, bacterial, fungal or other microbial (e.g. parasitic) infection, where the viral, bacterial, fungal or other microbial (e.g. parasitic) infective agent is resistant to one or more anti-viral, anti-bacterial, anti-fungal or other anti-microbial (e.g. anti-parasitic) agents, respectively, that do not act by inhibiting DNA replication, which method comprises administration of a therapeutically effective amount of a compound as defined in Claim 65 to a person having that infection.

- 113. (New) A method of treatment of a disease that relies upon DNA replication for its propagation, which method comprises administration, to a person suffering from that disease, of a therapeutically effective amount of a compound as defined in Claim 65 in combination with one or more other agents that are known to be effective in treating that disease.
 - 114. (New) A combination product comprising components:
 - (A) a formulation comprising a compound as defined in Claim 65; and
- (B) a formulation comprising one or more other chemical agents that are known to be effective in treating diseases that rely upon DNA replication for their propagation.
- 115. (New) A combination product as claimed in Claim 114, wherein each of components (A) and (B) is formulated in admixture with a pharmaceutically-acceptable adjuvant, diluent or carrier.
- 116. (New) A combination product as claimed in Claim 114, wherein (A) and (B) are presented as separate components.

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 20 of 22

117. (New) A combination product as claimed in Claim 114, wherein (A) and (B) are presented as a single formulation.

- 118. (New) A method of inhibiting DNA replication, which method comprises contacting the DNA with an inhibitory amount of a compound as defined in Claim 65.
- 119. (New) A method of stabilising a DNA duplex formed between first and second single strands of DNA, which method comprises contacting that DNA duplex with a compound as defined in Claim 65.
- 120. (New) A method of enhancing the difference in melting temperatures between first and second DNA duplexes, wherein each DNA duplex is formed from a first single strand of DNA that is the same in each duplex and a second single strand of DNA that is different in each duplex, which method comprises contacting each DNA duplex with a compound as defined in Claim 65.
- 121. (New) A process for the preparation of compounds of formula I as defined in Claim 65 which comprises:
 - (a) reaction of a compound of formula III,

wherein A^a represents A or, when a represents 0, then A^a may also represent A^2 and Q, D, A and A^a are as defined in Claim 16 and a is as defined below, with a compound of formula IV,

$$R^1$$
 Q D D D D D

wherein A^b represents a direct bond or -A¹-C(O)-, as appropriate, L¹ represents a leaving group, a and b both represent integers from 0 to 5, the sum of the two being 2, 3, 4 or 5, and R¹ and Q are as defined in Claim 65;

Serial No.: 10/500,093

Filed: November 17, 2004

Page : 21 of 22

(b) for compounds of formula I in which R^1 represents D-A-N(H)-[Q]_n-C(O)-E-C(O)-, reaction of two equivalents of a compound of formula V,

$$H = Q = \prod_{n=1}^{N} A^{n}$$

wherein Q, n, A and D are as defined in Claim 65, with a compound of formula VI,

$$L^2$$
-C(O)-E-C(O)- L^2 VI

wherein L^2 represents a leaving group, the two L^2 groups being the same or different, and E is as defined in Claim 65; or

- (c) deprotection of a protected derivative of a compound of formula I as defined in Claim 65.
- 122. (New) A compound of formula V, as defined in Claim 121, or a protected derivative thereof.